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CODE OF PRACTICE FOR PACKAGING OF BICYCLES FOR EXPORT

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CODE OF PRACTICE FOR PACKAGING OF BICYCLES FOR EXPORT

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 30 January 1978, after the draft finalized by the Packaging of Engineering Goods Sectional Committee had been approved by the Marine, Cargo Movement and Packaging Division Council.

0.2 In our national effort towards augmentation of exports, the export of bicycles has a very important place. Under the export of engineering goods, the bicycles exported rank very high. In order to win the markets abroad, and to retain them, it is essential not only to manufacture quality products, but also to ensure that the product reaches the destination in good condition in spite of the hazards in transit.

0.3 The function of packaging of bicycles is to protect the contents against atmospheric and transportation hazards. This code has been prepared with the intention of providing suitable guidance to those connected with these tasks.

0.4 A good packaging practice would also ensure that the components which are sent in a knocked-down condition are placed in such a way that they lend themselves to easy assembly.

0.5 In the preparation of this standard assistance has been derived from JIS Z 0715-1958 Packing of bicycles for export, issued by the Japanese Standards Association.

1. SCOPE

1.1 This standard prescribes a code of practice for the packaging of bicycles for exports.

1.1.1 This standard does not cover secondary primemover, if provided with the bicycle.

2. METHOD OF PACKAGING

2.1 General

2.1.1 The components which are likely to be affected by moisture shall be given moisture-proof treatment and packed in moisture-proof covers.

2.1.2 Depending upon the material, suitable anticorrosive treatment should be given. In addition, dust-proofing shall be an essential operation, if the conditions in which the package is subjected, involve dusty atmospheres.

2.2 Complete Package

2.2.1 The complete package shall consist of individual cover, the inner cover and the outer cover.

2.2.2 The materials which are suitable for use as individual covers are given in Table 1 for guidance.

TABLE 1 INDIVIDUAL COVER

SL No.	TYPE	MATERIAL	MODE OF USE
(1)	(2)	(3)	(4)
i)	Anticorrosive	Paraffin (waxed) paper conforming to IS:3962-1967* or IS:6263-1972†	Mainly to be used on the side coated with anti-corrosive agent
ii)	Dust-proof	Kraft paper conforming to IS:1397-1967‡, roll paper, wrapping tissue paper conforming to IS:8460-1977§, or materials with equivalent or better properties	—
iii)	Moisture-proof	Moisture-proof packaging materials with penetrability less than 30 g/m ² /24 h	—

*Specification for waxed paper for general packaging.

†Specification for volatile corrosion inhibitor (VCI) treated paper.

‡Specification for kraft paper (*first revision*).

§Specification for wrapping tissue paper.

2.2.3 The materials which are suitable for inner covers are given in Table 2 for guidance.

TABLE 2 INNER COVER

(Clause 2.2.3)

SL No.	TYPE	MATERIAL	MODE OF USE
(1)	(2)	(3)	(4)
i)	Inner cover	Box-wooden, paper, corrugated cardboard or metal	To put together individual parts, accessories and equipment
ii)	Cushioning materials	Wood wool conforming to IS:1707-1960* or materials with equivalent or better properties	—
		Corrugated cardboard	To be used by folding and turning or by piling
		Sponge rubber or felt or any other suitable material	In case cushioning by wood wool is considered insufficient
		Spring, rope, tape or strip of cloth	Specially for articles prone to damage by hanging packing equipment
iii)	Moisture - proofing	Waterproof, bitumen-laminated paper conforming to IS:1398-1968† (with sulphate and chloride contents limited to 0.4 and 0.05 percent respectively) with penetrability less than 60 g/m ² /24 h	—

*Specification for wood wool for general packaging purposes.

†Specification for packing paper, waterproof, bitumen-laminated (*first revision*).

2.2.4 The materials which are suitable for outer covers are given in Table 3 for guidance.

TABLE 3 OUTER COVER

(Clause 2.2.4)

SL No.	TYPE	MATERIAL CONFORMING TO	USE
(1)	(2)	(3)	(4)
i)	Wooden box	IS:1503-1967*	Also serves as the transport package
ii)	Plywood boxes with battens	IS:2674-1964†	
iii)	Wirebound boxes	IS:8725-1978‡	
iv)	Wirebound crates	IS:8726-1978§	
v)	Corrugated cardboard boxes	IS:2771 (Part I)-1977	
vi)	Fibreboard boxes	IS:2771 (Part II)-1975¶	

*Specification for wooden packing cases (*first revision*).

†Specification for plywood cases — battened construction.

‡Specification for wirebound wooden boxes.

§Specification for wirebound wooden crates.

||Specification for fibreboard boxes: Part I Corrugated fibreboard boxes (*first revision*).

¶Specification for fibreboard boxes: Part II Solid fibreboard boxes (*first revision*).

3. MARKING

3.1 The outer cover shall be marked with the following information:

- The number of units packed in the box,
- The name of the manufacturer or any symbol, and
- The country of origin.